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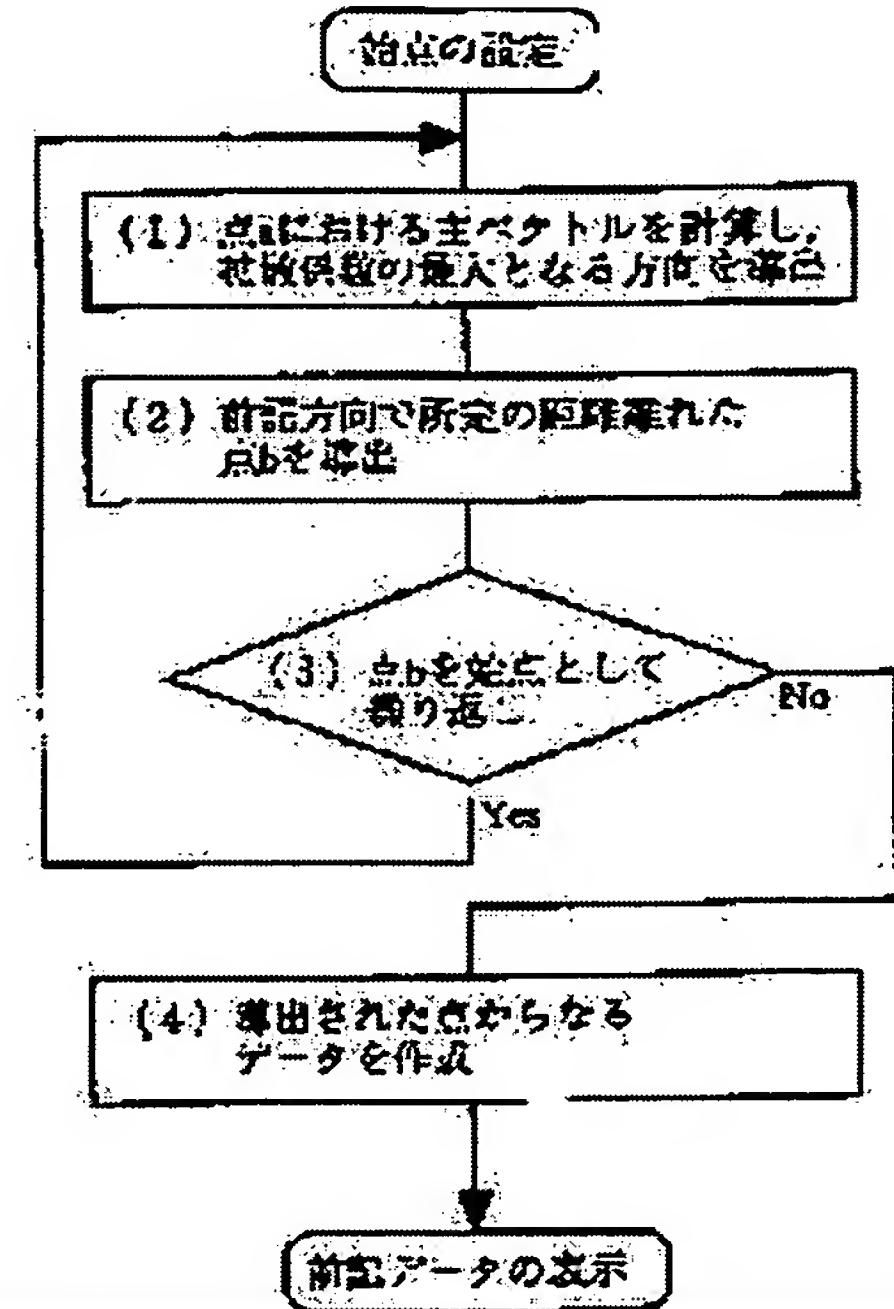
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(54) MAGNETIC RESONANCE DEVICE INDICATING DIFFUSION COEFFICIENT OF DIFFUSION TENSOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a display device that is appropriate for displaying the travel of a nerve fiber.

SOLUTION: A display device is equipped with a processing means, which originates data consisting of a series of points obtained by (1) deducing the highest direction of a diffusion coefficient with a predetermined point as the starting point, using a diffusion tensor at each point on the screen, (2) deducing the next point located at a position that is a predetermined distance apart in that direction, and (3) repeating the steps (1), (2) with the deduced next point as the starting point, and a display means which (4) displays data obtained by the processing means. Data consisting of a series of points along a nerve fiber can be originated by the step (1) through (4), and the travel of the nerve fiber can be grasped easily by displaying the data.



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